

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Addiese: COMMISSIONER FOR PATENTS PO Box 1450 Alexandra, Virginia 22313-1450 www.wepto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,798	08/17/2005	Kwing-so Choi	A3644-PCT-USA (072819.017	8967
21003 07570 040942908 BAKER BOTTS LL.P. 30 ROCKEFELLER PLAZA 44TH FL.OOR NEW YORK, NY 10112-4498			EXAMINER	
			XAVIER, VALENTINA	
			ART UNIT	PAPER NUMBER
			3644	
			NOTIFICATION DATE	DELIVERY MODE
			04/04/2008	ELECTRONIC .

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DLNYDOCKET@BAKERBOTTS.COM

Application No. Applicant(s) 10/517,798 CHOI ET AL. Office Action Summary Examiner Art Unit

	VALENTINA AAVIEN	3044				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MALING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MCNITHS from the maining date of the communication. On the communication of the communication	TE OF THIS COMMUNICATION (a). In no event, however, may a reply be till Il apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. mely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>13 De</u> 2a)□ This action is FINAL. 2b)□ This a 3)□ Since this application is in condition for allowan closed in accordance with the practice under Ex	action is non-final. ce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 23-53 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 23-53 are subject to restriction and/or and the striction and the stri	n from consideration.					
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example.	pted or b) objected to by the rawing(s) be held in abeyance. Se on is required if the drawing(s) is ob	e 37 CFR 1.85(a). rjected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	have been received. have been received in Applicat ty documents have been receiv (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D	ate				

Attachment(s)		
Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)	
Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date	
3) Information Disclosure Statement(s) (FTO/SS/08)	5) Notice of Informal Patent Application	
Paper No(s)/Mail Date	6) Other:	

Application/Control Number: 10/517,798 Page 2

Art Unit: 3644

DETAILED ACTION

Election/Restrictions

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

1) Figs 1A - 3 and 5 - 19

2) Figs 4A and 4B

Fig 20

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Application/Control Number: 10/517,798 Page 3

Art Unit: 3644

The claims are deemed to correspond to the species listed above in the following manner:

Claims 23 – 50 and 52

- 2) Claim 51 and 53
- 3) None

The following claim(s) are generic: None.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Species 1) relates to a method of controlling fluid flow in a boundary layer using a plurality of blades; Species 2) relates to a method of reducing surface drag in a pipe or conduit with the inner surface having a plurality of blades; and Species 3) relates to the use of pins for use in manipulating boundary layer fluid flow.

A telephone call was made to Mr. Jeremy Merling on 3/13/2008 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

Art Unit: 3644

remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VALENTINA XAVIER whose telephone number is (571)272-9853. The examiner can normally be reached on Mon - Fri 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Mansen can be reached on (571)272-6608. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Valentina Xavier

/Michael R Mansen/ Supervisory Patent Examiner, Art Unit 3644